

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	(horizontal and boring and machin\$3 and radial and axial\$3 and rotat\$4).clm.	US-PGPUB; USPAT	OR	ON	2006/11/25 13:08
S1	98	408/708.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/12 18:45
S2	1594	408/153,156,158,159,173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:29
S3	1590	S2 not S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/12 17:15
S4	392	408/54.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/12 17:15
S5	406	408/154.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/12 17:15
S6	340	B23B041/12.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/12 17:16
S7	10	("3530744"   "4224846"   "4676127"   "4995160"   "5174695"   "5251511").PN. OR ("6012880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/12 17:32
S8	2	("4701081"   "6012880").PN. OR ("6343899").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/12 17:32
S9	2	("6315503").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/12 17:35

## EAST Search History

S10	15	("2820376"   "3169416"   "3391585"   "3499352"   "4066380"   "4343576"   "4789278"   "4933868"   "6158311").PN. OR ("6315503").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/12 17:35
S11	2	("6343899").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/12 18:45
S12	1594	408/153,156,158,159,173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/13 11:40
S13	1594	408/153,156,158,159,173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/13 11:40
S14	41	S13 and engine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/13 11:40
S15	11	("3530744"   "4224846"   "4676127"   "4995160"   "5174695"   "5251511").PN. OR ("6012880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:28
S16	28	("3422705"   "3526159"   "3884590"   "3902386"   "3941497"   "3966347").PN. OR ("4224846").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:30

## EAST Search History

S17	59	("2867139"   "3067637"   "3115051"   "3311003"   "3389621"   "3622247"   "3714537"   "3735459"   "3757637"   "3864054"   "3937586"   "3966347"   "3977194"   "4019246"   "4067251"   "4087890"   "4163624"   "4184391"   "4200418"   "4224846"   "4245939"   "4289431"   "4350054"   "4387612"   "4409721"   "4417379"   "4443140"   "4480700"   "4489629"   "4607549"   "4634324"   "4637285"   "4742738"   "4762037"   "4786217"   "4913602"   "4941782"   "5033918"   "5116171"   "5251511"   "5304019"   "5307714"   "5368420"   "5427480"   "5599146"   "5655422"   "5713703"   "5865573"   "6196773"   "6243962"   "6270295"   "6536998").PN. OR ("6729810").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:30
S18	52	("2867139"   "3067637"   "3115051"   "3311003"   "3389621"   "3714537"   "3735459"   "3757637"   "3937586"   "3966347"   "3977194"   "4019246"   "4067251"   "4087890"   "4163624"   "4184391"   "4200418"   "4224846"   "4245939"   "4289431"   "4350054"   "4387612"   "4409721"   "4417379"   "4443140"   "4480700"   "4489629"   "4607549"   "4634324"   "4637285"   "4762037"   "4786217"   "4913602"   "4941782"   "5033918"   "5116171"   "5251511"   "5304019"   "5307714"   "5368420"   "5427480"   "5599146"   "5655422"   "5713703"   "5865573"   "6270295").PN. OR ("6536998").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:31
S19	16	("3296898"   "3625625"   "4224846"   "4773801"   "4867619"   "4979852"   "5193954"   "5203856").PN. OR ("5427480").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:35
S20	2	("6012880").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/16 12:57

## EAST Search History

S21	2	("6315503").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/16 13:00
S22	3401	((cone or conical) with shaft) same resilient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:01
S23	1603	408/153,156,158,159,173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:01
S24	3	S23 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:02
S25	98	408/708.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:02
S26	0	S25 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:02
S27	4	S25 and resilient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:03
S28	7	S25 and (resilient or elastic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:33
S29	173	S23 and (resilient or elastic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:05
S30	123	S29 and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:05

## EAST Search History

S31	69	S29 and (cone or conical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:05
S32	13	("3381553"   "3410160"   "3492709"   "3530745"   "4428704"   "4606680"   "5704742").PN. OR ("6247878").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 13:11
S33	14	("3530745").URPN.	USPAT	OR	ON	2006/06/16 13:14
S34	29	("3422705"   "3526159"   "3884590"   "3902386"   "3941497"   "3966347").PN. OR ("4224846"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 18:08
S35	11	("3530744"   "4224846"   "4676127"   "4995160"   "5174695"   "5251511").PN. OR ("6012880"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 18:10
S36	29	("3422705"   "3526159"   "3884590"   "3902386"   "3941497"   "3966347").PN. OR ("4224846"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 18:11
S37	16	("3296898"   "3625625"   "4224846"   "4773801"   "4867619"   "4979852"   "5193954"   "5203856").PN. OR ("5427480"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 18:14
S38	15	("3740161"   "4224846"   "4664236"   "4687589"   "4720087"   "4733758").PN. OR ("4941782"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 18:15
S39	1606	408/153,156,158,159,173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:29
S40	1606	S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:33
S41	2	("6343899").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 18:34

## EAST Search History

S42	2	("6012880").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 18:36
S43	14	"1262263"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:36
S44	1	2003-048686.NRAN.	DERWENT	OR	ON	2006/11/20 18:37
S45	1606	408/153,156,158,159,173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:51
S46	174	S45 and (resilient or elastic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:47
S47	16	("3296898"   "3625625"   "4224846"   "4773801"   "4867619"   "4979852"   "5193954"   "5203856").PN. OR ("5427480"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 09:41
S48	98	408/708.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:47
S49	7	S48 and (resilient or elastic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:48
S51	616	S45 and bor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:52
S52	399	S45 and boring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:52

## EAST Search History

S53	310	S52 not S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 09:52
S54	21	("0955180"   "3216287"   "3391585"   "3530745"   "3740161"   "3884590"   "4037496"   "4416569"   "4580471"   "4602539"   "4615652").PN. OR ("4867619"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 10:12
S55	1256	82/1.2,1.4,1.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/24 19:41
S56	618	S55 not "2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/24 19:41
S57	1606	408/153,156,158,159,173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/24 19:41
S58	1101	S55 not S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/24 19:41
S59	362	S58 and boring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/24 19:42
S60	3	("2224386").URPN.	USPAT	OR	ON	2006/11/25 13:06